

FIG. 2

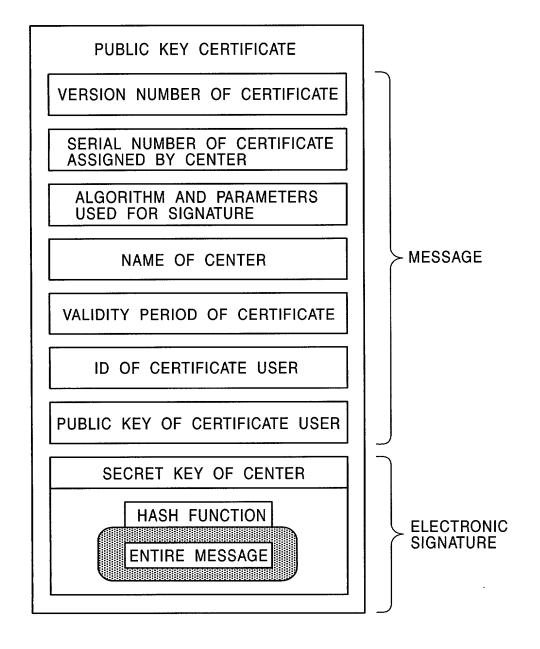


FIG. 3A

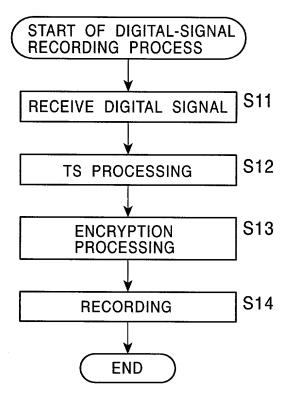


FIG. 3B

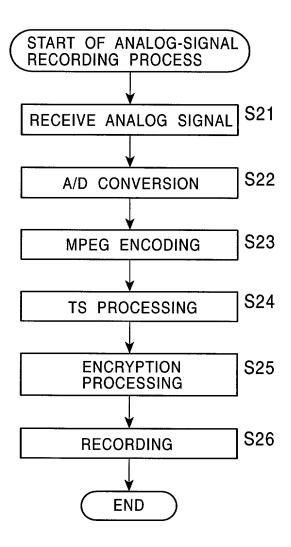


FIG. 4A

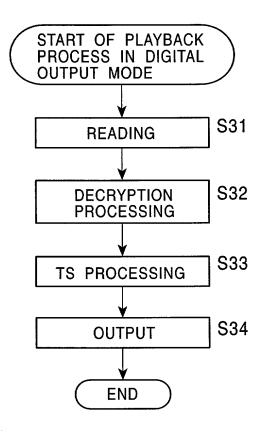


FIG. 4B

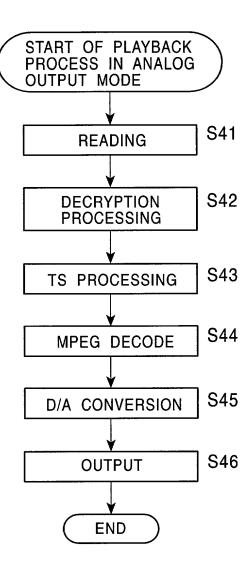
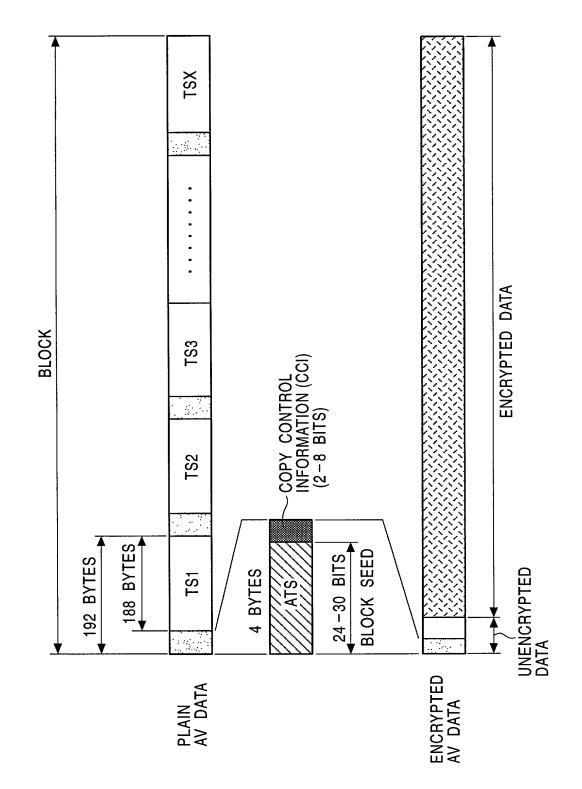
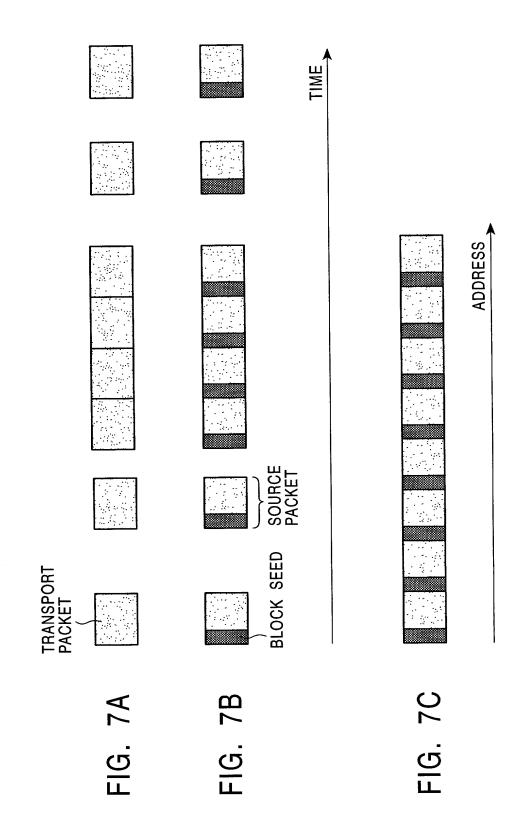
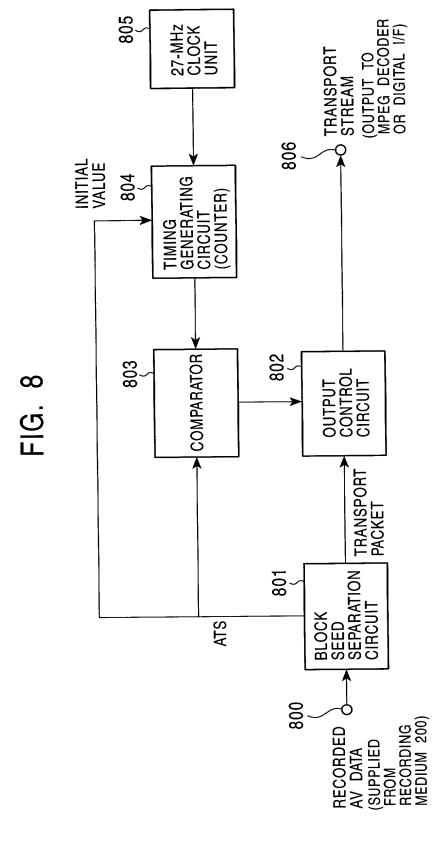


FIG. 5



(INPUT TO RECORDING MEDIUM 200 VIA CRYPTOSYSTEM PROCESSING UNIT 150) RECORDED AV DATA 607 SMOOTHING BUFFER 909 BLOCK SEED ADDING UNIT TIME STAMP GENERATING CIRCUIT 605 604 ATS TRANSPORT PACKET 602 BIT STREAM PARSER 603 27-MHz PLL PCR 900 TRANSPORT STREAM (INPUT FROM DIGITAL I/F)







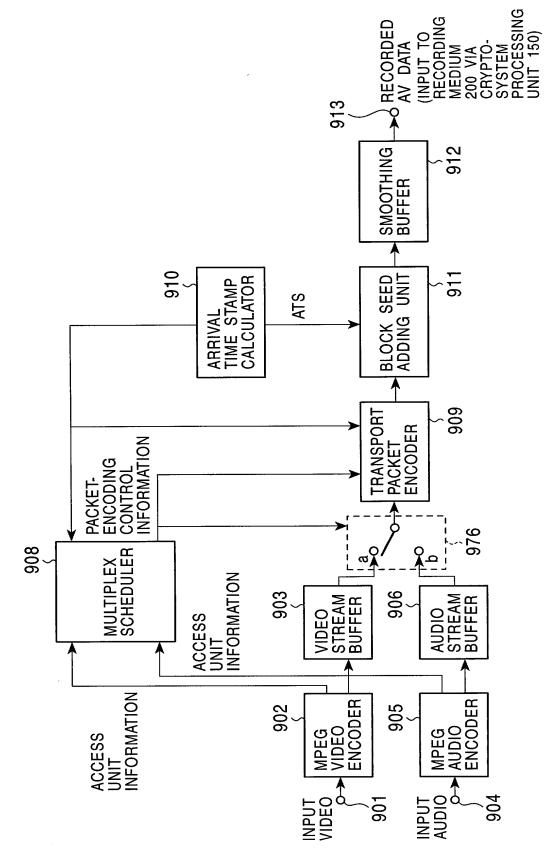


FIG. 10

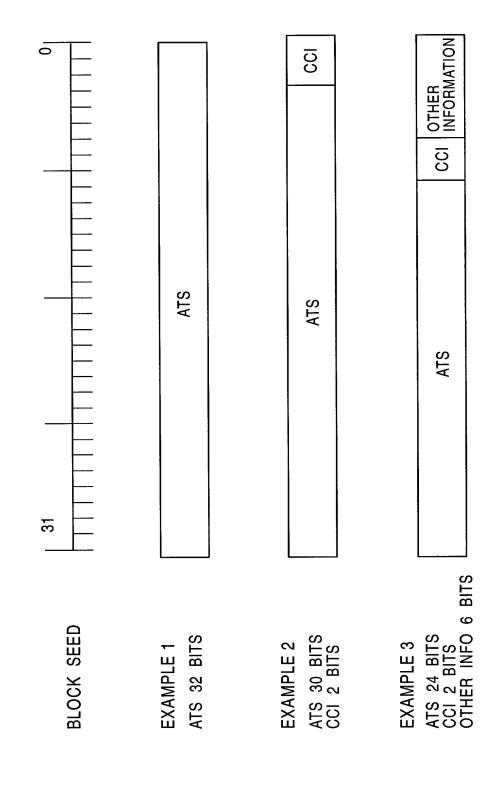


FIG. 11

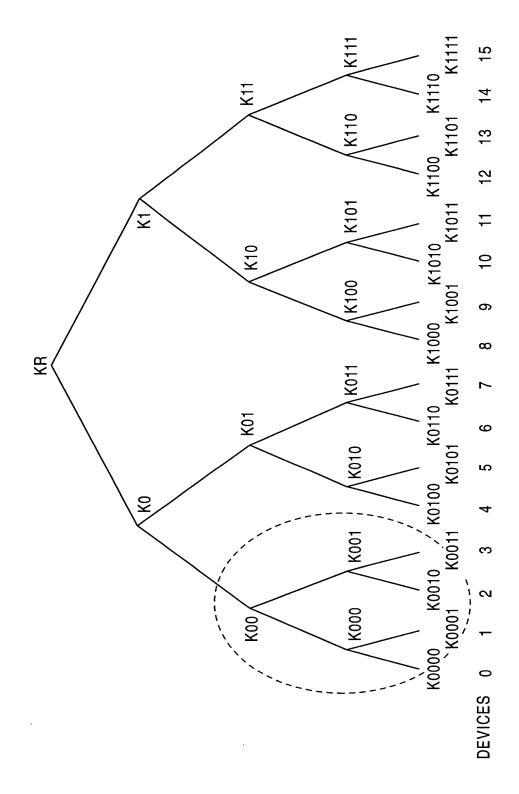


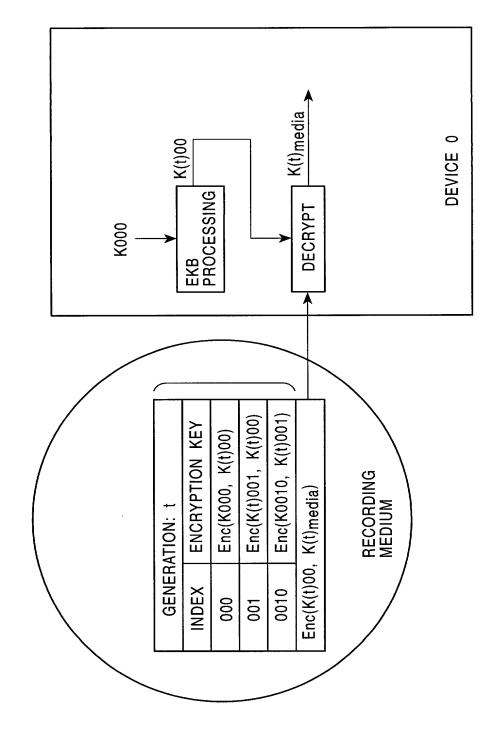
FIG. 12A

GENER	ATION: t
INDEX	ENCRYPTION KEY
0	Enc(K(t)0, K(t)R)
00	Enc(K(t)00, K(t)0)
000	Enc(K000, K(t)00)
001	Enc(K(t)001, K(t)00)
0010	Enc(K0010, K(t)001)

FIG. 12B

GENERA	ATION: t
INDEX	ENCRYPTION KEY
000	Enc(K000, K(t)00)
001	Enc(K(t)001, K(t)00)
0010	Enc(K0010, K(t)001)

<u>-1</u>G. 13



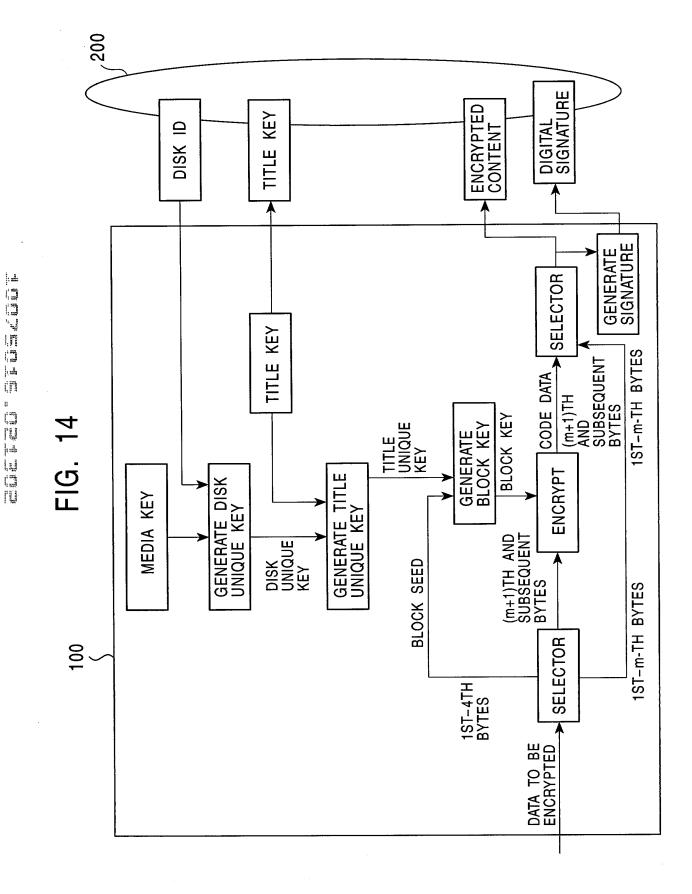


FIG. 15A

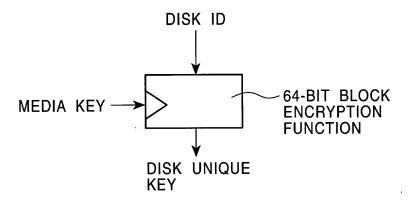


FIG. 15B

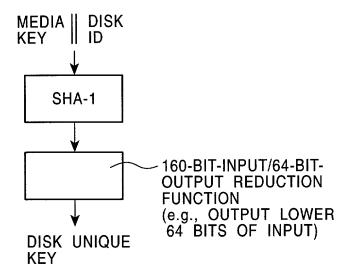


FIG. 16A

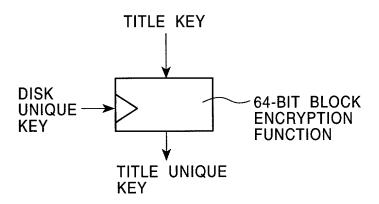


FIG. 16B

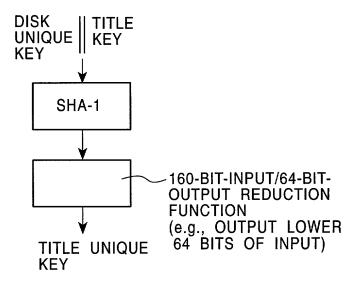


FIG. 17A

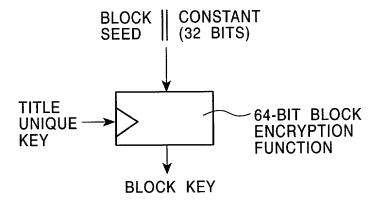


FIG. 17B

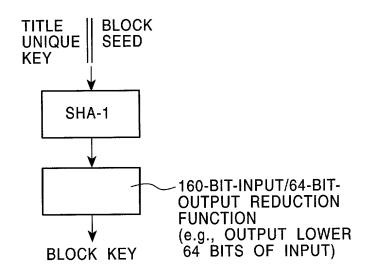
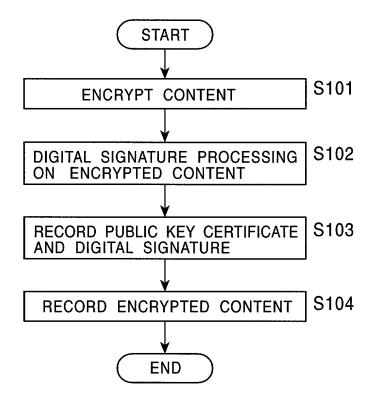


FIG. 18



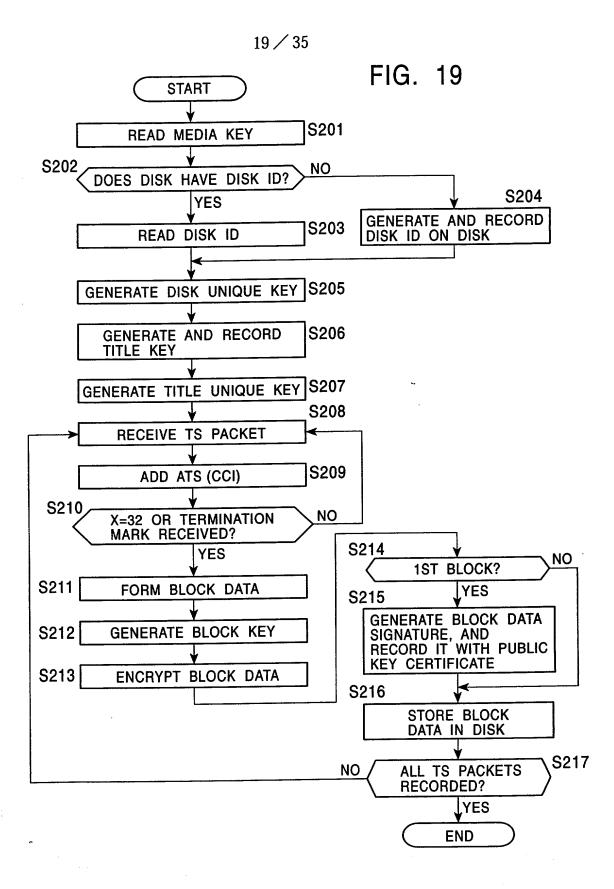
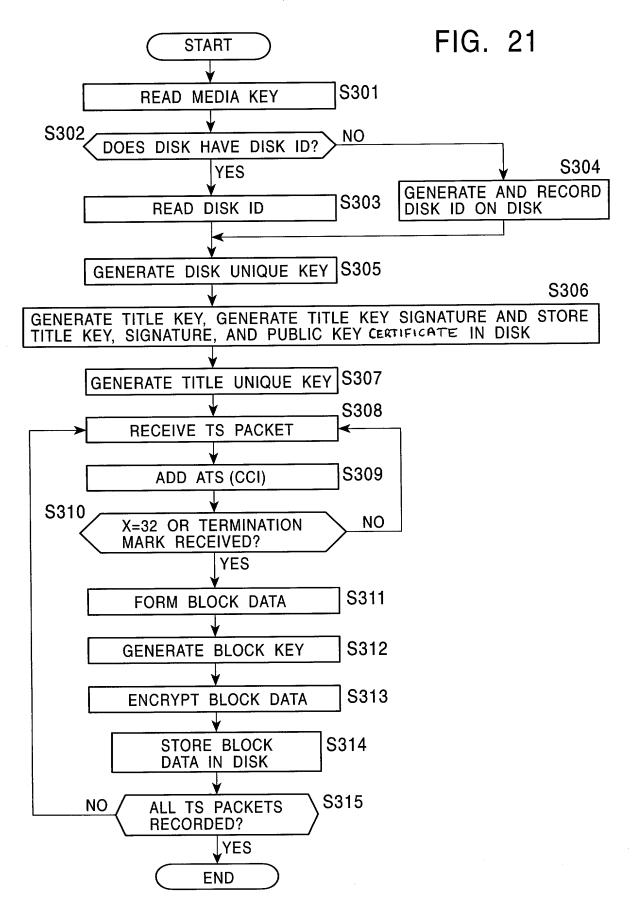


FIG. 20

	CONTENT DATA ADDRESS
	TITLE KEY ADDRESS
FILE 1	DIGITAL SIGNATURE ADDRESS
FILE I	PUBLIC KEY CERTIFICATE ADDRESS
	OTHER INFORMATION
	CONTENT DATA ADDRESS
	TITLE KEY ADDRESS
FILE 2	DIGITAL SIGNATURE ADDRESS
FILE 2	PUBLIC KEY CERTIFICATE ADDRESS
	OTHER INFORMATION
•	



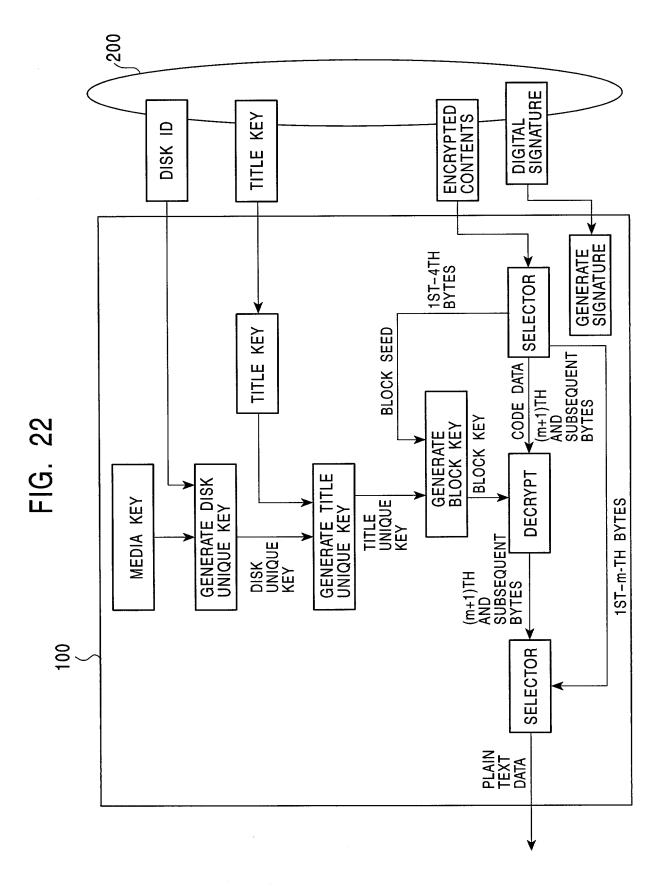


FIG. 23

VERSION NUMBER
ID OF DEVICE TO BE REVOKED
•
DIGITAL SIGNATURE OF CENTER

FIG. 24

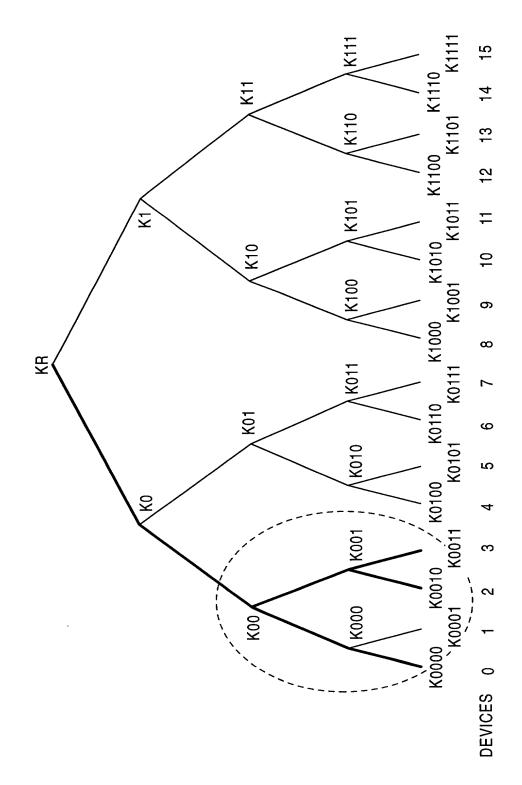


FIG. 25

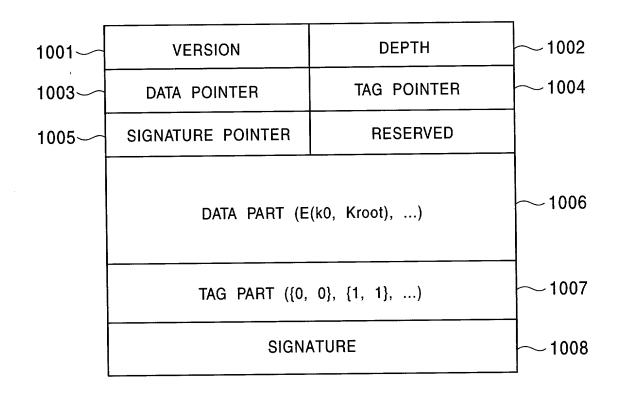


FIG. 26

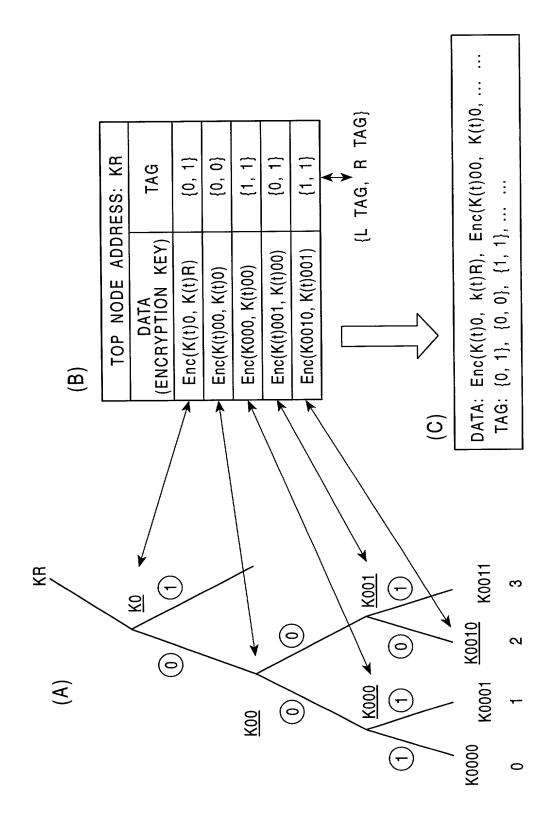


FIG. 27A

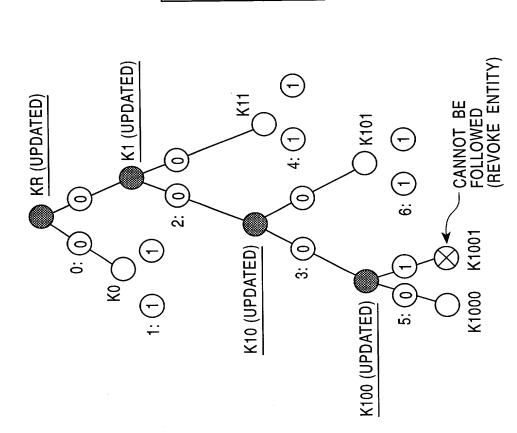


FIG. 27B

DATA (ENCRYPTION KEY)	Enc(KU, K(t)K), Enc(K(t)T, K(t)R) Enc(K(t)10, K(t)1), Enc(K11, K(t)1) Enc(K(t)100, K(t)10), Enc(K101, K(t)10) Enc(K1000, K(t)100)	
TAG	0: {0, 0}, 1: {1, 1}, 2: {0, 0}, 3: {0, 0}, 4: {1, 1}, 5: {0, 1}, 6: {1, 1},	
	¢ {L TAG, R TAG}	

FIG. 28A

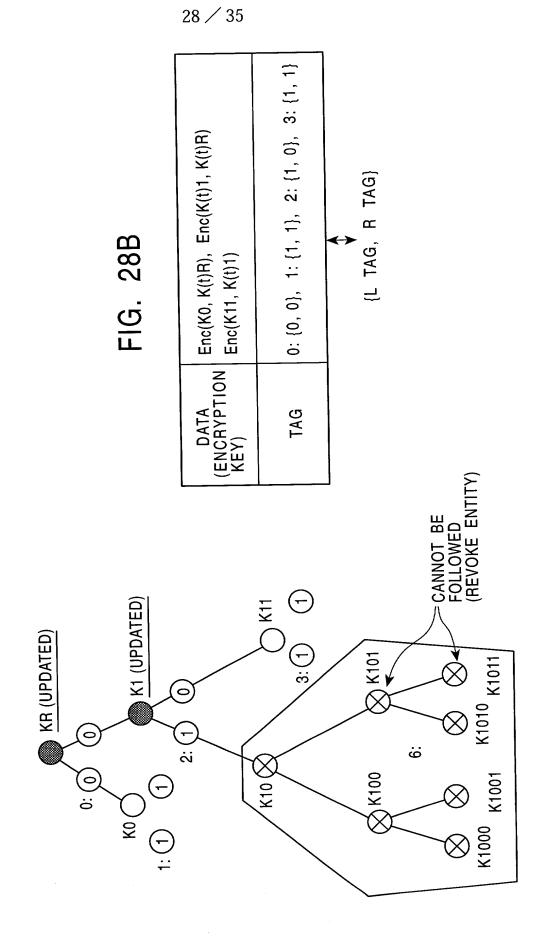


FIG. 29

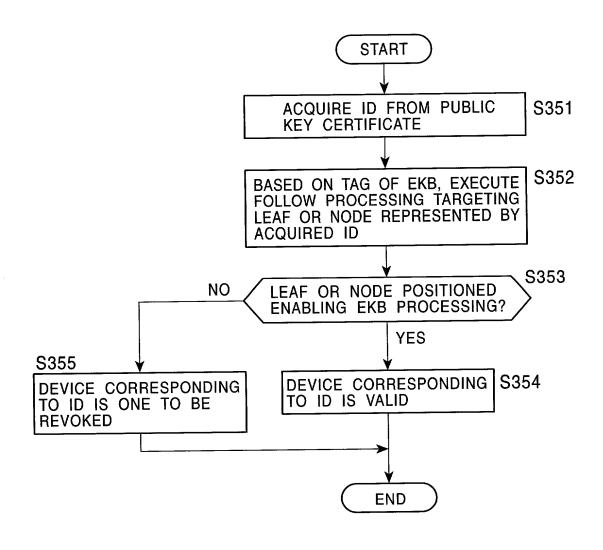
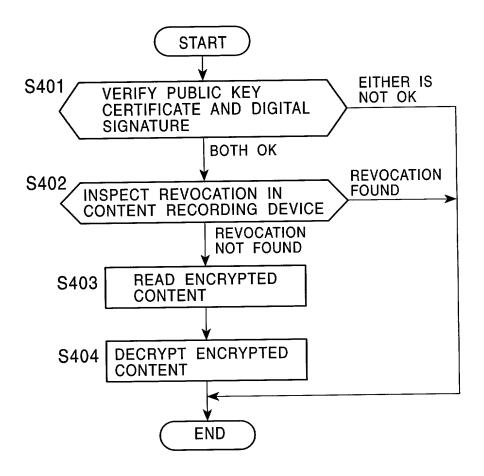
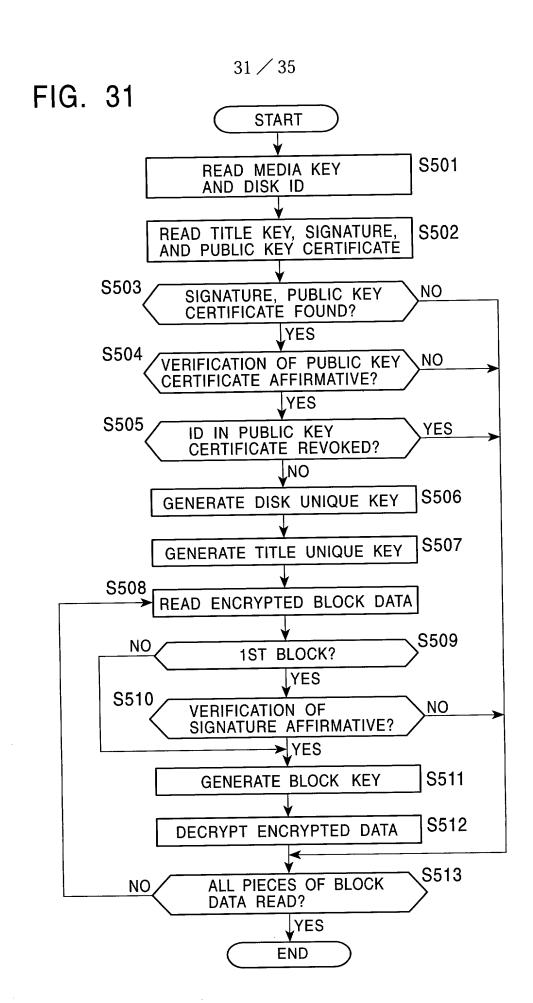


FIG. 30





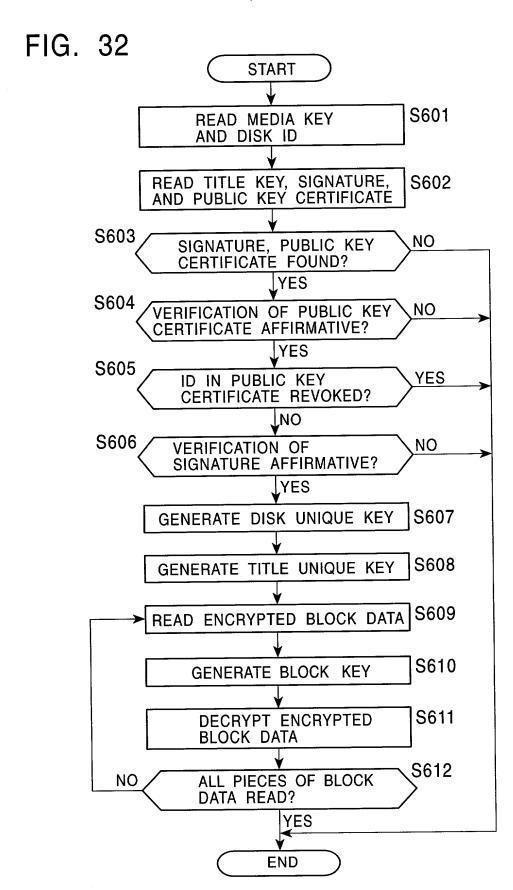


FIG. 33A

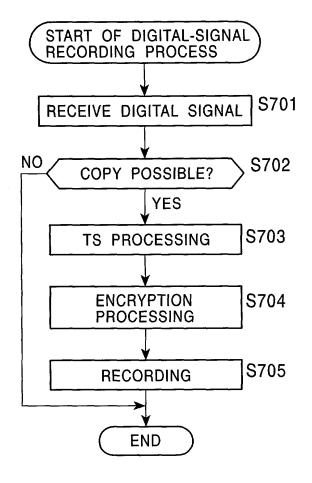
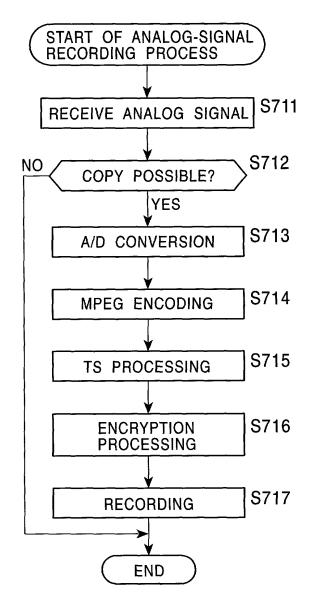
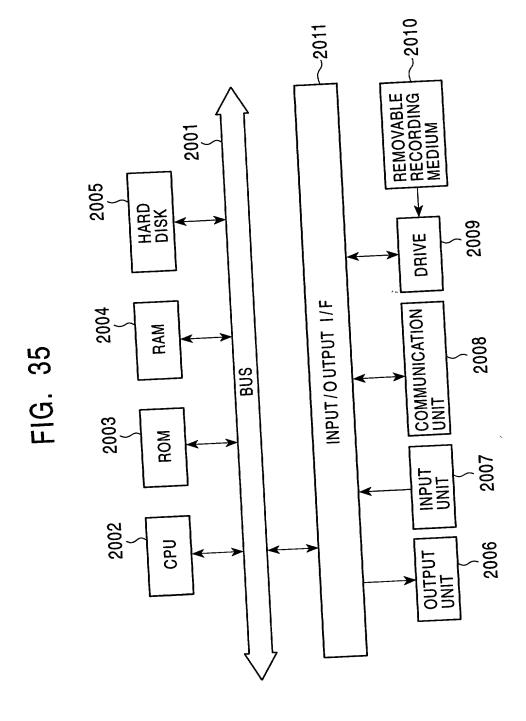


FIG. 33B



S818

OUTPUT BY USING COPY PREVENTING MECHANISM | \$815 **S814 S813 S812** 일 **S811** START OF PLAYBACK PROCESS IN ANALOG OUTPUT MODE D/A CONVERSION MPEG DECODING COPY POSSIBLE? TS PROCESSING DECRYPTION PROCESSING FIG. 34B OUTPUT END READING YES **S816**/ **S805** \$804 **S803 S80**2 **S801** START OF PLAYBACK PROCESS IN DIGITAL OUTPUT MODE COPY POSSIBLE? TS PROCESSING DECRYPTION PROCESSING FIG. 34A YES OUTPUT END READING OUTPUT BY USING COPY PREVENTING MECHANISM 9 8806



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